

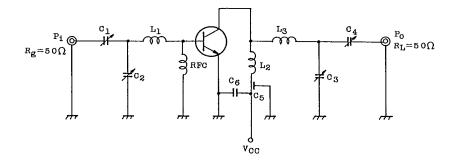
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ICBO	V _{CB} =15V, I _E =0		-	1	mA
Collector-Base Breakdown Voltage	V(BR)CBO	IC=10mA, IE=0	40	-	-	v
Collector-Emitter Breakdown Voltage	V (BR) CEO	I _C =25mA, I _B =0	18	-	-	v
Emitter-Base Breakdown Voltage	V (BR) EBO	I _E =1mA, I _C =0	4	-	-	v
DC Current Gain	hFE	V _{CE} =5V, I _C =3A	10	-	150	
Collector Output Capacitance	Cob	V _{CB} =10V, I _E =0, f=1MHz	-	-	80	pF
Output Power	Po	(Fig.) VCC=12.5V, f=175MHz, Pi=4.2W	27	29	-	W
Power Gain	Gpe		8.0	8.4	-	dB
Collector Efficiency	η _c		60	70	-	%

TOSHIBA {DISCRETE/OPTO}

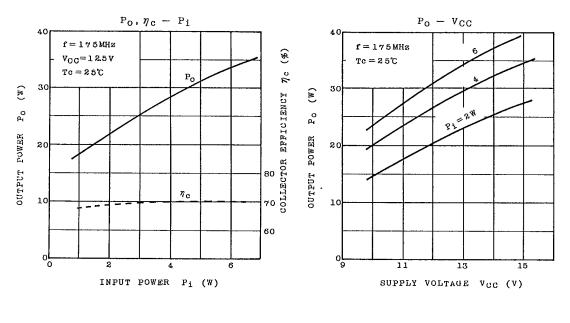
9097250 TOSHIBA (DISCRETE/OPTO) 56C 07545 D T-33-// 2SC2508

Fig. Po TEST CIRCUIT

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C1 : $\sim 20 \text{pF}$ C2,C3,C4 : $\sim 30 \text{pF}$ C5 : 1000 pF FEED THROUGH C6 : 0.01 μ F L1,L3 : $\oint 1$ SILVER PLATED COPPER WIRE, 61D, 1T L2 : $\oint 1$ SILVER PLATED COPPER WIRE, 61D, 2T RFC : $\oint 1$ ENAMEL COATED COPPER WIRE, 61D, 8T



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